

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET

(pursuant to NAC 445A.236)

Permittee Name: Tournament Players Club at the Canyons
9851 Canyon Run Drive
Las Vegas, NV 89144

Facility: The Canyons Golf Course
9801 Canyon Run Drive
Las Vegas, NV 89144

Permit Number: NEV99002

Location: Northwest Area of Las Vegas, Clark County, Nevada

Latitude: 36° 11' 39" N
Longitude: 115° 17' 36" W

Township 20 South, Range 60 East, Section 19

Flow: 1.92 MGD. (30-Day Average)

General:

The Tournament Players Club at the Canyons operates The Canyons Golf Course, located at 9801 Canyon Run Drive in the Northwest area of Las Vegas, Clark County, Nevada. This facility has one regulation 18-hole course, and covers approximately 119 acres, of which 116 acres are turf and 3 acres are greens. The facility uses one reservoir fed by the recycled water supply line for storage of irrigation water. There are no other water features at this facility.

The Canyons Golf Course receives tertiary treated, nitrified, disinfected effluent from the Durango Hills Water Resource Center (DHWRC) wastewater treatment facility (WWTF) for irrigation of turf, greens and landscaped areas. The DHWRC is regulated under NDEP Permit NEV98005. The DHWRC recycled water is blended with potable water to provide the course with the volume of water required. The relative percentages of potable and recycled water will vary with the seasonal irrigation demand.

Flow:

The permitted 30-day average flow is 1.92 MGD, which is the maximum anticipated amount for the hot summer months. The annual average usage will be approximately 0.93 MGD per month, due to lower usage in the cooler months.

Receiving Water Characteristics:

Groundwater in the vicinity of the course is estimated to be at approximately 436 feet below land surface, as measured at the Las Vegas Valley Water District Well #076. Groundwater flow direction is reported to be southeast. There are no monitoring wells required at this facility due to the depth to groundwater.

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Proposed Effluent Monitoring Requirements

The discharge from the facility shall be monitored and limited by the following:

TABLE I. Discharge Limitations

<u>PARAMETERS</u>	<u>EFFLUENT DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
	30 Day Ave.	Daily Max.	Measurement Frequency	Sample Type
Flow (MGD)	1.92	---	Continuous	Flow meter
Total Coliform (CFU or MPN/100 ml) ⁽²⁾	2.2	23	Weekly	Discrete
Total Nitrogen as N ⁽¹⁾ (mg/l)	Monitor and Report		Monthly	Calculate
Total Kjeldahl Nitrogen as N (mg/l)	Monitor and Report		Monthly	Composite
Total Oxidized Nitrogen as N (Nitrate + Nitrite) (pounds)	Monitor and Report		Monthly	Composite
Ammonia as N (mg/l)	Monitor and Report		Monthly	Composite
Total Nitrogen Applied (pounds/acre/year)	475 ⁽³⁾ 260 ⁽³⁾		Annually ⁽⁴⁾	Calculate

(1) Total Nitrogen as N can be reported as the sum of Total Oxidized Nitrogen and Total Kjeldahl Nitrogen

(2) CFU = Colony Forming Unit, MPN = Most Probable Number

(3) Nitrogen Uptake value of 475 lb/acre/year used in determining nutrient balance for Fairways/Roughs/Tees turf areas. Green nitrogen uptake estimated at 260 lbs/acre/year.

(4) Report in 4th quarter DMR.

Samples taken in compliance with the monitoring requirements specified in Table I. are to be collected prior to effluent reuse. The quality of the product used by the permittee may be reported as calculated values based on the blend of treated effluent and potable water. Monitoring requirements may be satisfied by data collected by the DHWRC and the Las Vegas Valley Water District. Copies of the backup data or water quality calculation summaries are to be maintained at the reuse site for inspection by the Division upon request. Discharge Monitoring Reports are to be submitted by the Permittee to the Division at the following address.

Nevada Division of Environmental Protection
Bureau of Water Pollution Control
Diana Silsby, Compliance Coordinator
333 West Nye Lane, Room 129
Carson City, NV 89706-0851

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Schedule of Compliance

The Permittee shall implement and comply with the provisions of the schedule of compliance after approval by the Administrator, including in said implementation and compliance, any additions or modifications, which the Administrator may make in approving the schedule of compliance

- a. The permittee shall achieve compliance with the effluent limitations upon issuance of the permit.
- b. The Permittee, or its representative, shall adequately address any and all updates to the EMP as a revision to the EMP. The Permittee shall not reuse treated effluent prior to having an approved Final EMP per Nevada Administrative Code (NAC) 445A.275
- c. The Permittee shall provide the Division with the documentation updates that notification required in Part I.B.13 has been complied with prior to continued use of treated effluent.
- d. All compliance deliverables shall be submitted to both of the following addresses:

Mr. Nadir Sous, Supervisor
Nevada Division of Environmental Protection
Bureau of Water Pollution Control
1771 E. Flamingo Road, Suite 121-A
Las Vegas, NV 89119

Nevada Division of Environmental Protection
Bureau of Water Pollution Control
Diana Silsby, Compliance Coordinator
333 West Nye Lane, Room 129
Carson City, NV 89706-0851

Procedures for Public Comment:

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to the groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Las Vegas Review-Journal** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator. **All comments must be received by NDEP by 5:00 pm, November 29, 2004.**

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted. Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

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The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination

The Division has made the tentative determination to reissue the permit for a period of five (5) years, subject to effluent and monitoring limitations.

Rationale for Permit Requirements

The limitations and monitoring requirements are intended to provide for appropriate reuse of treated effluent, to minimize the possibility of adverse impact to groundwaters of the State, and to alert those persons who might have contact with treated effluent to its presence at the facility.

Prepared by: Janine Hartley
 October 2004